

OWNERS MANUAL

SENTRY SYNEXIS SYSTEM



IMPORTANT SAFETY INSTRUCTIONS

BEFORE USING THIS DEVICE READ ALL INSTRUCTIONS AND CAUTIONARY STATEMENTS IN THIS MANUAL AND ON THE DEVICE.

The Sentry is an electrical device. Please read the safety instructions and considerations before use and take the necessary precautions to reduce the risk of fire, electric shock or injury. **The Limited Warranty applies only if the unit is used in accordance with these instructions.**

- ✓ Use the power cable provided with your device. The plug fits securely into a standard outlet. Do not alter the plug in any way.

⚠ WARNING: Electrical shock can cause personal injury or death.

⚠ WARNING: Skin or eye damage may result from directly viewing the light produced by the lamp in this apparatus. Always disconnect power before relamping or servicing. Replace Lamp with Lamp Model No. M2-CX-02 or M4-CX-02, manufactured by LCD Lighting Inc.

⚠ WARNING: Do not allow the device to become clogged with dust or other debris. Check it regularly and replace the catalytic Sail or filter if they become clogged.

⚠ WARNING: To reduce the risk of fire or electric shock, do not use this product with any solid-state speed control device.

When using an electrical device, basic precautions should always be observed, including the following:

⚠ WARNING

These warnings apply to the Synexis® device and, where applicable, to all tools and accessories TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR SERIOUS INJURY:

1. Keep combustible materials, like bedding, clothing, curtains, furniture and paper at least three feet away from the device when it is plugged in.
2. Use only as described in this Synexis Operating Manual. Do not perform any maintenance other than what is shown in this manual. Any other use, not specifically recommended by the manufacturer may result in fire, electric shock or injury.
3. Make sure device is assembled by following manufacturer's instructions completely. Do not dismantle the device.



4. This Sentry device is not a toy. Use caution when children are nearby. Children under 3 years old should be kept away unless continuously supervised. Do not allow children to play with the Sentry device.
5. This Sentry device is not intended for use by persons (including children) with reduced physical or reasoning capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction about the use of the Sentry device by a person responsible for their safety.
6. Sentry device is suitable for dry locations ONLY. DO not use outdoors, on or near wet surfaces. Do not use in bathrooms, laundry areas or similar indoor locations. Never place the Sentry device where it may fall into a bathtub or other water container. Do not use or store near a bath or shower, or a swimming pool.
7. Do not use the Sentry device in areas where fuel, paint, or flammable liquids are used or stored where their vapors are present.
8. Do not use in conjunction with or directly next to an air freshener or similar products.
9. Do not handle any part of the plug or Sentry device with wet hands.
10. UV light source. Disconnect power cord before opening cover.
11. Do not sit on or place any object on this device.
12. Do not use with a damaged power cord or plug. If the power cord is damaged, it must be replaced by Synexis, its service agent or similarly qualified persons in order to avoid a hazard.
13. Do not unplug the Sentry device by pulling on the power cord. To unplug, grasp the plug, not the cord and remove from the power outlet.
14. Do not stretch the power cord or place the cord under strain. Keep the power cord away from heated surfaces.
15. Do not run the power cord underneath carpeting. Do not cover cord with throw rugs, runners or similar coverings. Do not route cord under furniture or other appliances. Avoid placing power cord in high traffic areas and where it could be tripped over.
16. To prevent a possible fire, do not use with any opening or exhaust blocked, and keep free of dust, lint, hair, and anything that may reduce airflow. Do not put any object into the inlet grill or exhaust opening as this may cause electric shock or fire, or damage to the Sentry device.
17. In order to avoid overheating, do not cover the Sentry device.
18. For the best performance, place the Sentry device where air intake and top grill are unobstructed.
19. Turn off all controls before unplugging. Always unplug Sentry device from the power outlet when it is not in use.

20. If the Sentry device is not working as it should, has been dropped, struck, damaged, left outdoors, or dropped into water, do not use and contact your Synexis Account Representative.
21. Contact Synexis when service or repair is required. Do not disassemble the Sentry device, as incorrect re-assembly may result in electric shock or fire.
22. Do not use any cleaning agents or lubricants on the Sentry device. Unplug power cord from outlet before performing any type of maintenance.
23. To avoid a tripping hazard, secure power cord when not in use.
24. Do not use Sentry device near furnaces, fireplaces, stoves or other high-temperature heat sources.
25. Do not spray or apply perfumes directly on or near the filter. Keep essential oils and chemicals away from the Sentry device.

READ AND SAVE THESE INSTRUCTIONS

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Welcome

Thank you for choosing Synexis®, developers of Dry Hydrogen Peroxide (DHP™) and this Sentry device.

Before using the DHP™ system, please take a few minutes to:

- ✓ **Familiarize yourself with the Sentry device**
- ✓ **Familiarize yourself with the installation steps and required tools**
- ✓ **Inspect your system and parts**

Please contact your Synexis Account Representative for questions or additional information.

Included Parts

- ✓ 1 Synexis® Sentry device
- ✓ 2 Custom UV-A Bulbs (already installed)
- ✓ 1 Filter Assembly (x1 Carbon Filter, x1 MERV 11 Filter)
- ✓ 1 Power Cord
- ✓ 1 Owner's Manual

After opening the box, unpack and inspect your device for damage.

DO NOT OPERATE THIS DEVICE IF ANY DAMAGE IS NOTED. If the device is damaged, contact your Synexis Account Representative.

About Dry Hydrogen Peroxide (DHP™)

Synexis is the sole developer of hydrogen peroxide gas and Dry Hydrogen Peroxide (DHP™) Technology for occupied spaces. Using DHP™, our patented microbial reduction technology allows for the natural and continuous reduction of microbial contamination in occupied spaces. Synexis Microbial Reduction Systems are patented for use in the United States and around the world. By encompassing all areas of an enclosed space, DHP™ can reach the most important areas of a facility. The critical differentiator of DHP™ from other forms of hydrogen peroxide is that DHP™ can be safely delivered in occupied spaces.

Using ambient humidity and oxygen naturally present in your environment, Synexis technology creates a safe level of hydrogen peroxide (H₂O₂) gas, which reduces unwanted microbial contamination in the air and on surfaces. Because DHP™ is a true gas, it can reach the toughest and most out-of-reach areas of your facility. Dry Hydrogen Peroxide is effective because of its state of matter and method of action.

Indications for Use

This product is not sold as a medical device and is not intended to be used to diagnose any disease or condition, nor should it be used in the mitigation, treatment, or prevention of any disease or condition. The Sentry device is a key component to the Synexis Microbial Reduction System.

Legal Notice

While every attempt is made to ensure the accuracy of the information contained in this manual, Synexis accepts no liability for errors or omissions, or any consequences deriving from the use of information contained herein. This Sentry manual is provided “as is” and without any representation, term, condition or warranty of any kind, either express or implied. To the extent permitted by law, Synexis shall not be liable to any person or entity for any loss or damage which may arise from the use of this manual. We reserve the right at any time and without any notice to remove, amend or vary any of the content which appears herein.



Your Synexis® Sentry
DHP™ System is
Assembled in the USA!



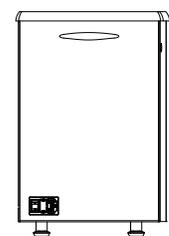
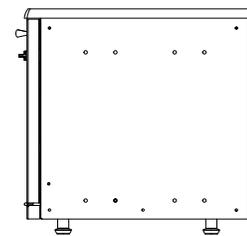
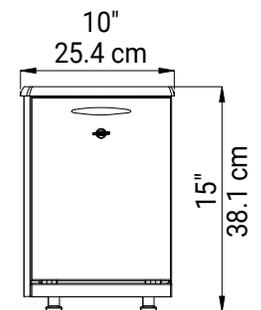
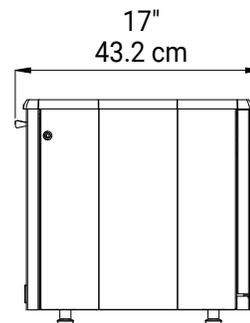
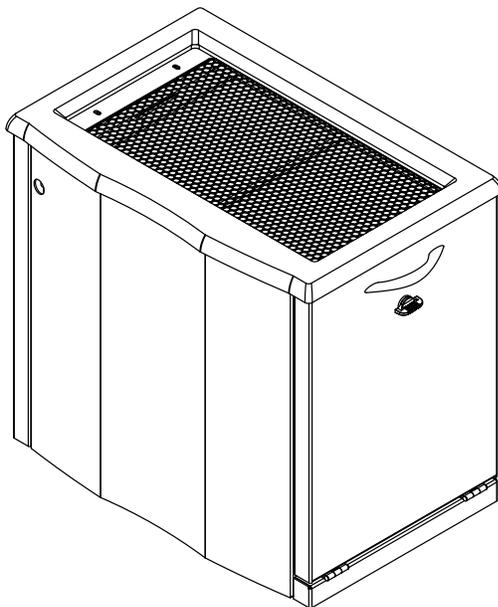
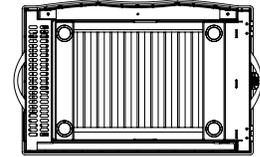
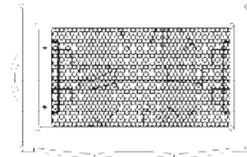
SENTRY

System Specifications

The Sentry is a portable device designed for deployment in industrial facilities with an inaccessible HVAC system. The Sentry has a rugged steel design for the most challenging environments. The Sentry can be mounted virtually anywhere and requires only a standard 120V–50/60 Hz (North America), 230V–50/60 Hz (OUS) VAC outlet.

Specifications	
Weight	42 lbs.
Material	18 Gauge Galvannealed Steel
Color	Black/White
Mounting Options	Floor (Shown), Wall Mount
Dimensions	Width: 17" (43.2 cm) Height: 15" (38.1 cm) Depth: 10" (25.4 cm)

Electrical Requirements	
Input Voltage	120 VAC–50/60 Hz US 230 VAC–50/60 Hz OUS
Current	1.7 Amps US 0.89 Amps OUS



Installation

- 1.** The Sentry device includes filters (carbon & MERV 11), fan, and two non-germicidal UV-A bulbs. On the front of the device is a rotary switch covered by a circular rubber cap that controls the speed of the fan. The power cord and power switch are located on the left side of the device. The installation slots for the filters and sail are accessible from the right side. The right side of the device has an access panel which is opened using a spring assisted latch.
- 2.** To access the installation slots, rotate the access panel latch 90 degrees counterclockwise. Grasp the handle near the top of the panel and pull it outward away from the unit.
- 3.** The Sail is inserted flat and horizontally into the slot near the top of the device, above the bulbs and below the top grille. It does not matter which direction the Sail is installed.
- 4.** To insert the filter cartridges, open the smaller access plate towards the bottom of the device using a similar spring assisted latch. The access plate should be completely removed while inserting or replacing the filter cartridges. Insert the filter cartridges into the filter slot using the details below and the picture to the right.
 - The pleated MERV 11 filter (white or blue) is placed on the bottom, and the carbon filter (black) is placed on top, closest to the fan.
 - The MERV 11 filter should have the arrows pointing toward the fan. The carbon filter can be installed in any direction.
- 5.** Replace the filter access plate by seating the notches back into their retaining slots and securing the spring assisted latch.
- 6.** Close the hinged access panel by securing spring assisted latch.
- 7.** Plug in and power the device on.
- 8.** The two UV-A bulbs will begin to glow. At any point, to turn the bulbs off, turn the power switch off.
- 9.** To adjust device airflow, use the rotary switch on the front panel.



Troubleshooting

If the fan does not operate, contact your Synexis Account Representative at 844-352-7680 for assistance.

Maintenance

To keep your device(s) in top condition, we recommend routine cleaning. *If your purchase of the Synexis Microbial Reduction System includes a maintenance contract, the following recommendations are handled by Synexis Field Engineers during regular scheduled visits.*

- **Bulb Replacement:** The UV-A bulb should maintain the same intensity no matter the speed of the fan. Bulb is warrantied for 2 years. The maximum bulb rating is 50V, 21W. Replace bulb with Model No. M2-CX-02 or M4-CX-02, manufactured by LCD Lighting.
- **Filter Cartridge and Sail Replacement:** Filter cartridges and Sails are replaced using the typical schedule below. Each Sail comes pre-packaged in a food-grade plastic bag to maintain quality before use. For best performance, the Sail should not be removed from the bag until it is time to insert it into the device. The filters and Sail can be disposed of in regular trash or as recyclable fiber and plastic (frame and polyester fabric). No special handling conditions are required.

Sail Replacement

- First 7–14 days after first turning device on. This is called the Control Phase and is when a Synexis System is first introduced to a new environment and level of bioburden.
- Every 3 months* (once per quarter)

Filter Replacement

- **MERV 11 filter:**
 - First 7–14 Days (MERV 11 filter ONLY) after first turning device on. This is called the Control Phase and when the Synexis System is first introduced into a new environment and new level of bioburden.
 - Every 3 months** (once per quarter)
- **Carbon Filter:**
 - Every 6 months**

Do not try to repair or adjust any of the electrical components in your Sentry device. Contact Synexis for assistance.

* Complex environments might require a more frequent Sail change. This is identified on the front-end of a project and would be detailed in the agreement.

** Complex environments (such as industrial applications) involve higher levels of particulates in the air. Under such conditions, filters may need to be changed on an 'as-needed basis'.

WARNING: UV-A bulbs contain a small amount of mercury similar to any fluorescent bulb. Check with your local waste management authority for disposal or recycling requirements. Additional disposal and recycling information can be found at: www.lamprecycle.org.

Getting the most from your DHP™ System

It is important to work with your Synexis Account Representative to determine the proper number of units for the size and configuration of your space. In some cases, multiple Synexis devices will be necessary. Be sure to change the Sail according to the recommended replacement schedule. Leave unopened Sails in their plastic bag and store them in a dark, dry location until you need to replace the current Sails in your device.

Close your windows and outside doors

The Sentry is designed for enclosed space, so it is important to keep all external windows and doors closed as much as possible. Open windows and/or doors can significantly reduce the efficiency of your system by allowing the DHP™ to dissipate out of the facility.

Run your Synexis System 24 hours a day

The Sentry is designed to operate 24 hours a day, 7 days a week. DHP™ is meant to be a continuous clean technology as opposed to a temporary clean technology. The DHP™ molecule is delicate and safe at low concentration. Producing it continuously ensures a proper equilibrium concentration in your space for effective decontamination. Visit Synexis.com for more information.

1-Year Limited Warranty

Contact your Synexis Account Representative for any device questions, service material needs or device issues. When contacting Synexis for a system issue that is under warranty, please be prepared to provide the following:

- ✓ A copy of the bill of sale
- ✓ Invoice or receipt of purchase
- ✓ An explanation of the problem or defect

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